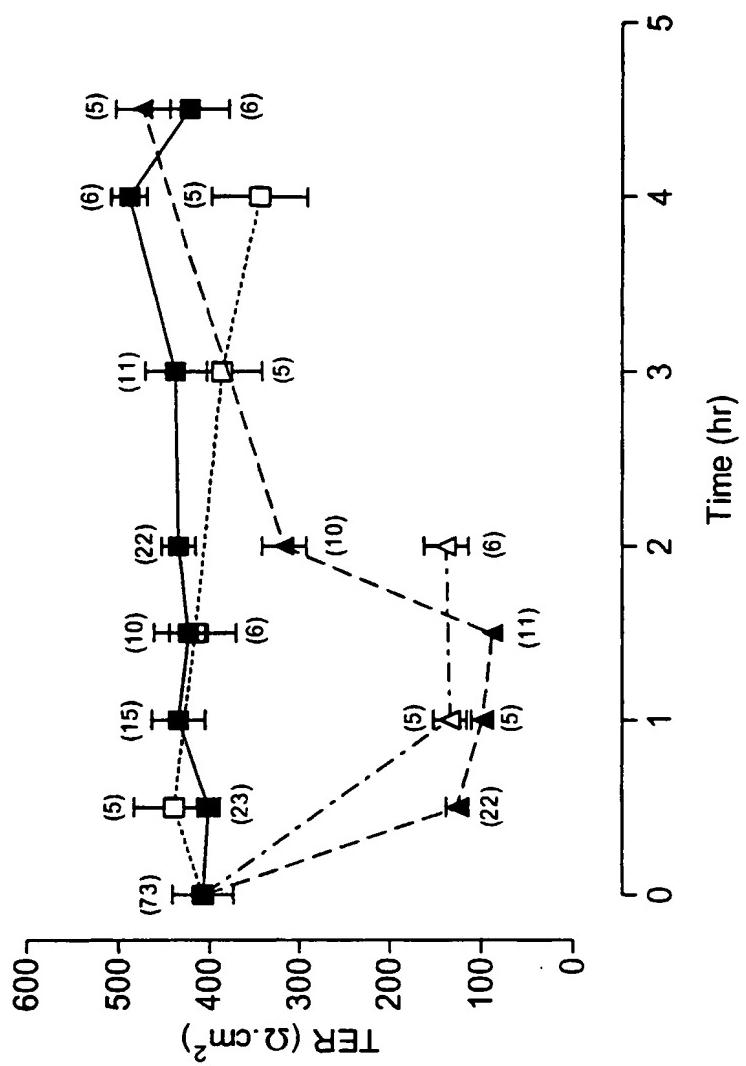
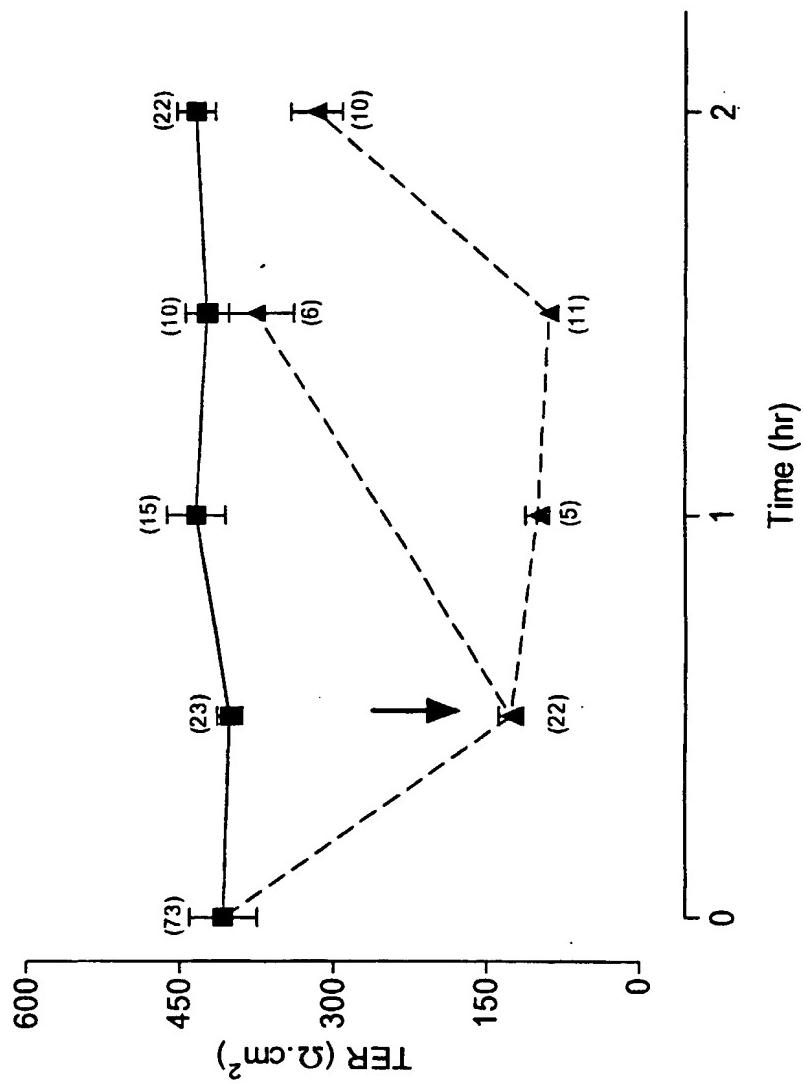


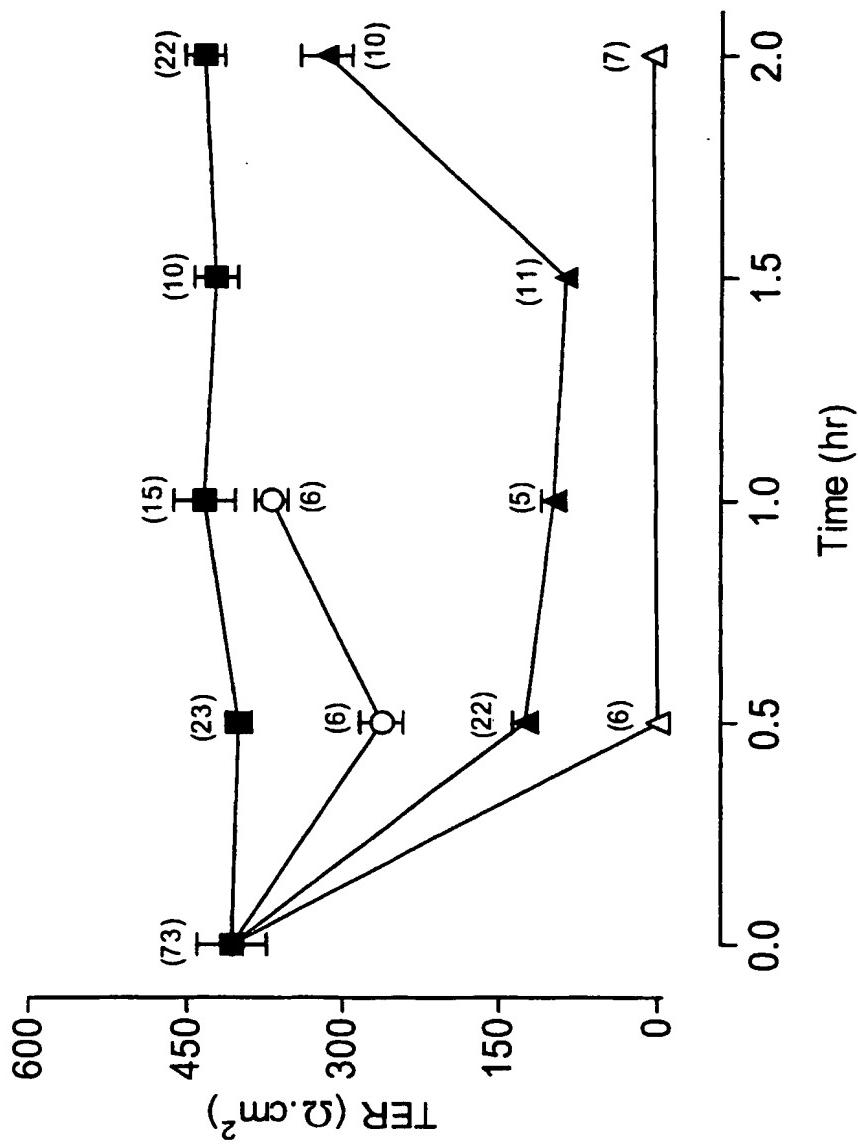
1  
fig.



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**Fig. 2**

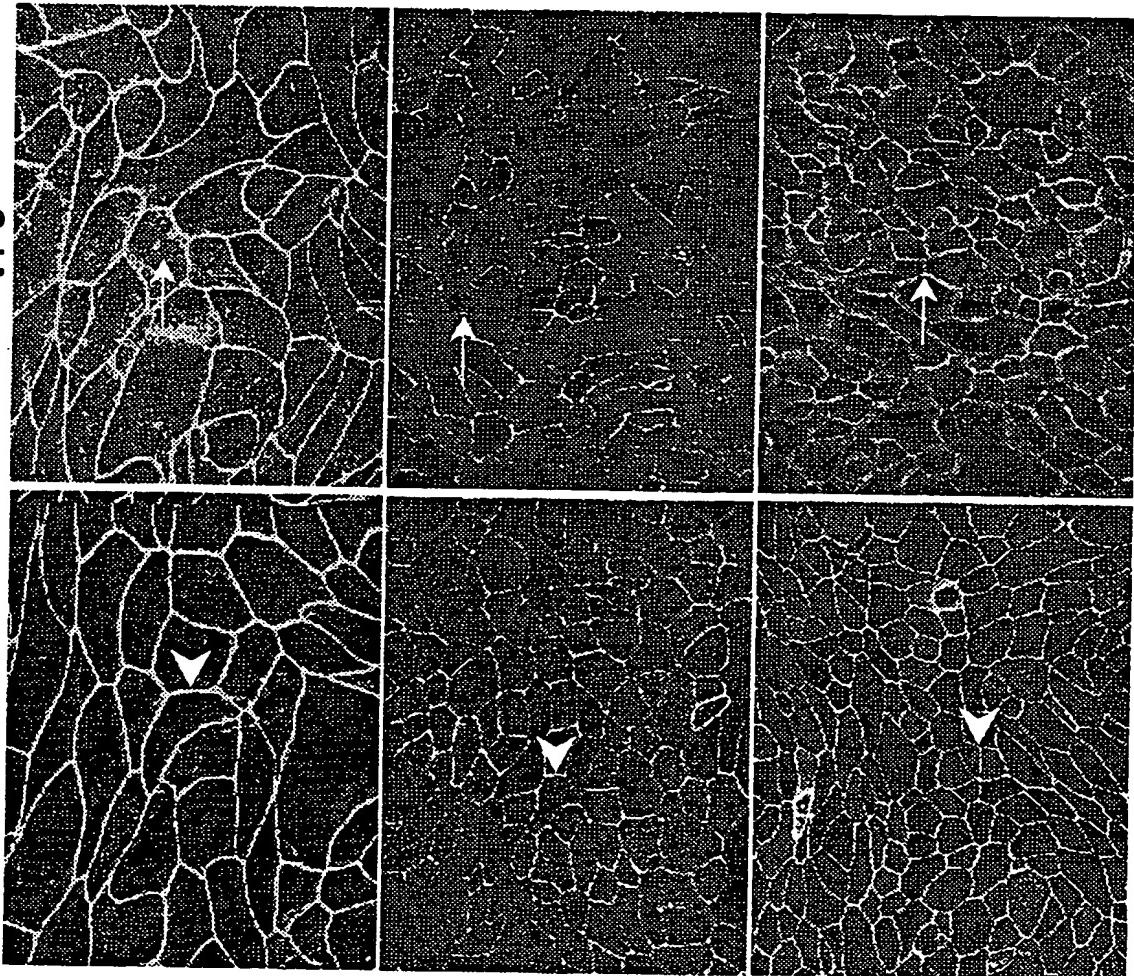
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**Fig. 3**

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Fig. 4

CONTROL



ZO-1

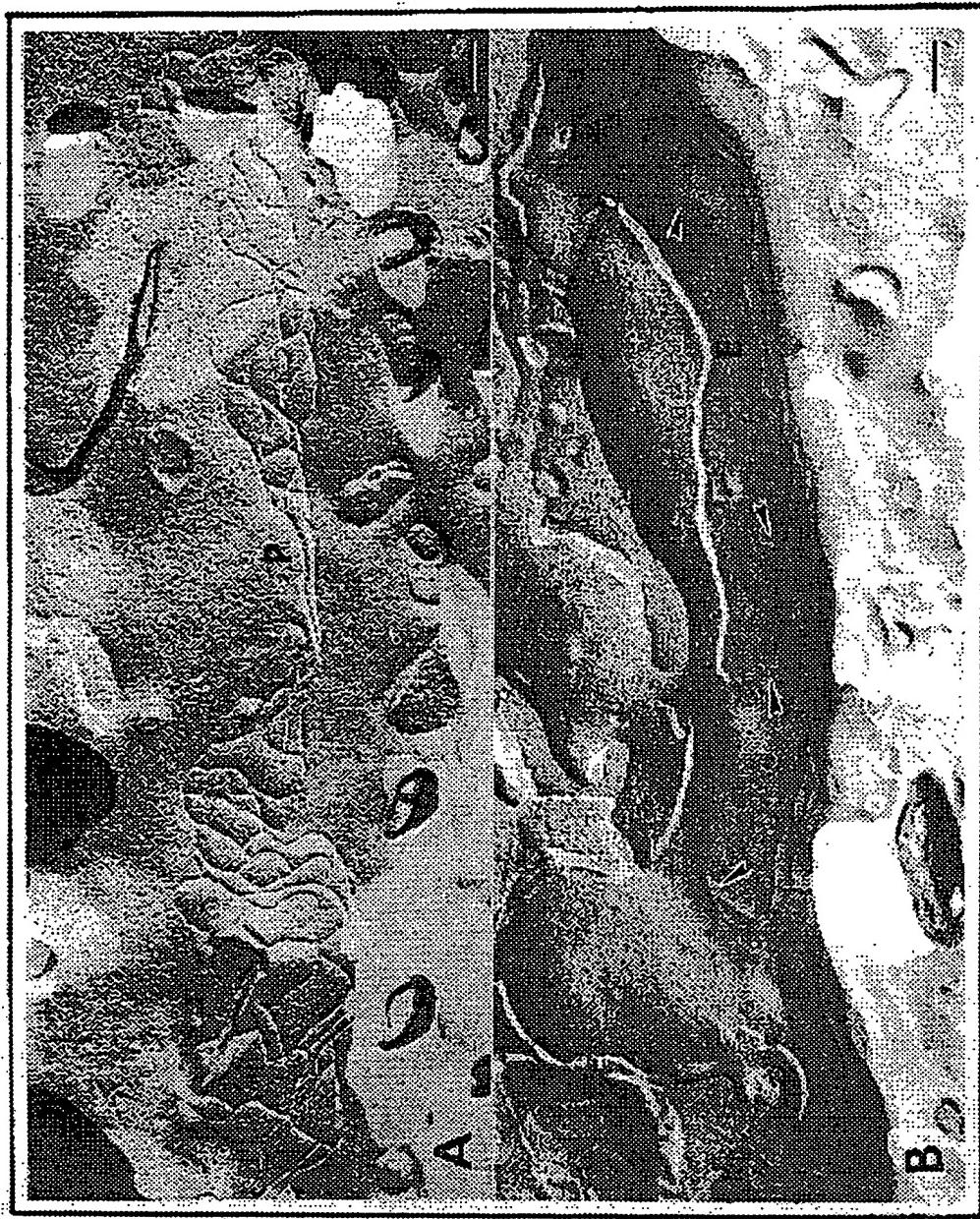
CI-3

OCCL

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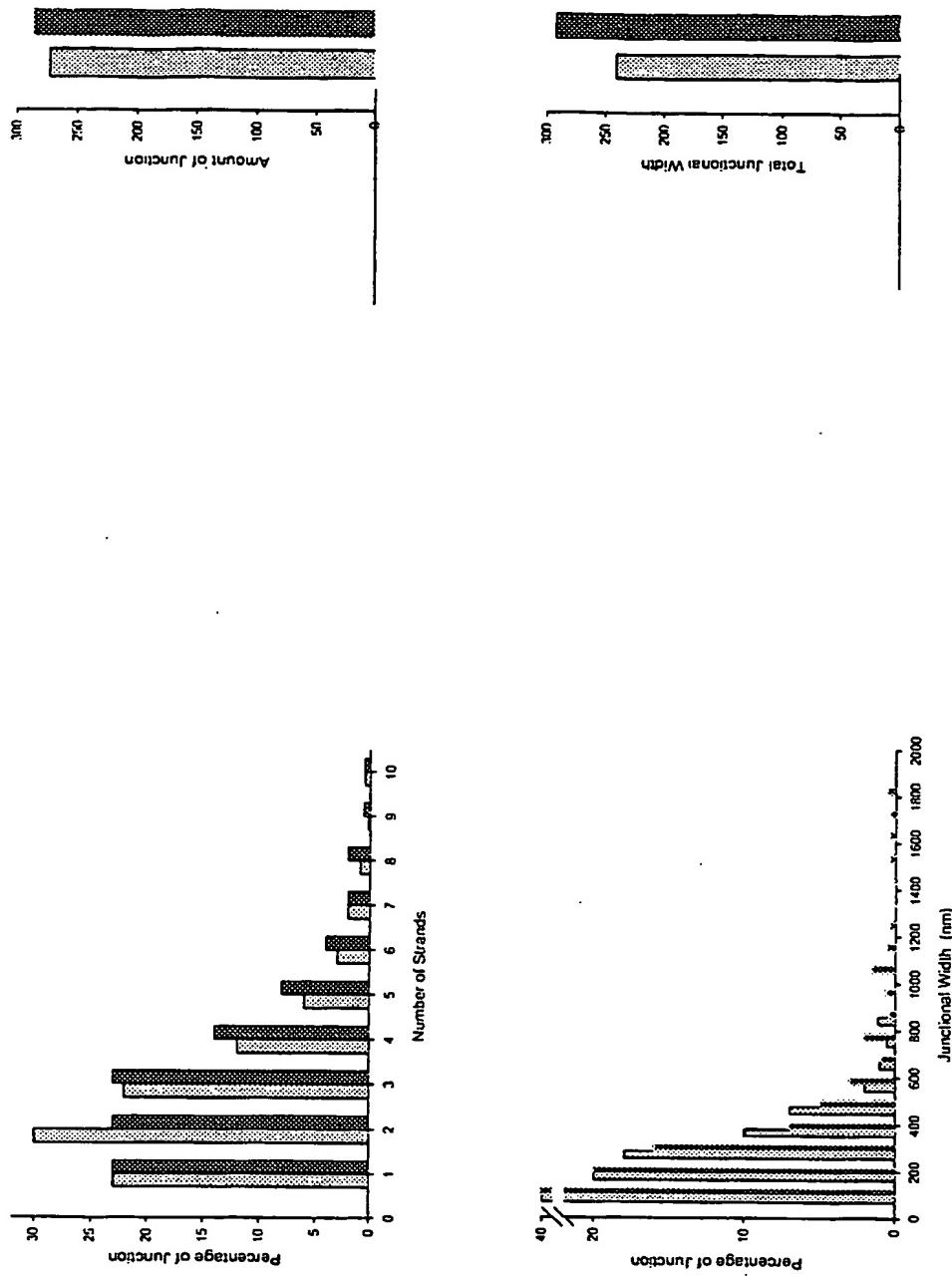
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**Fig. 5a**

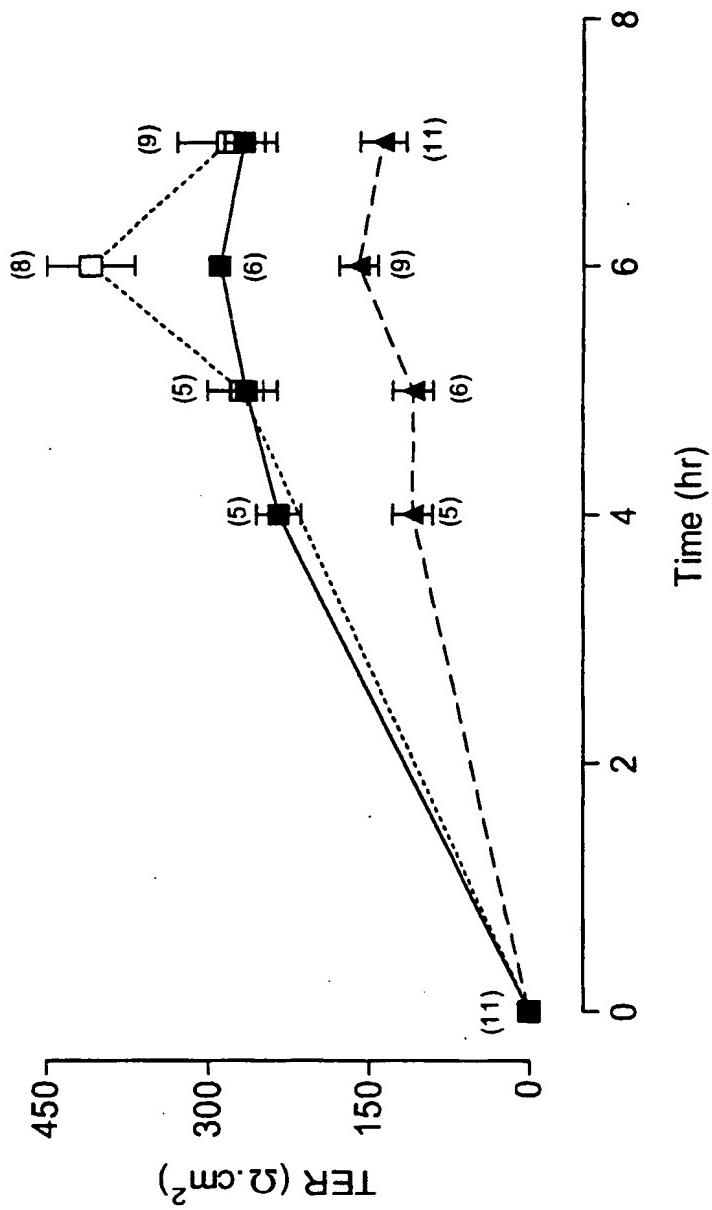


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Fig. 5b



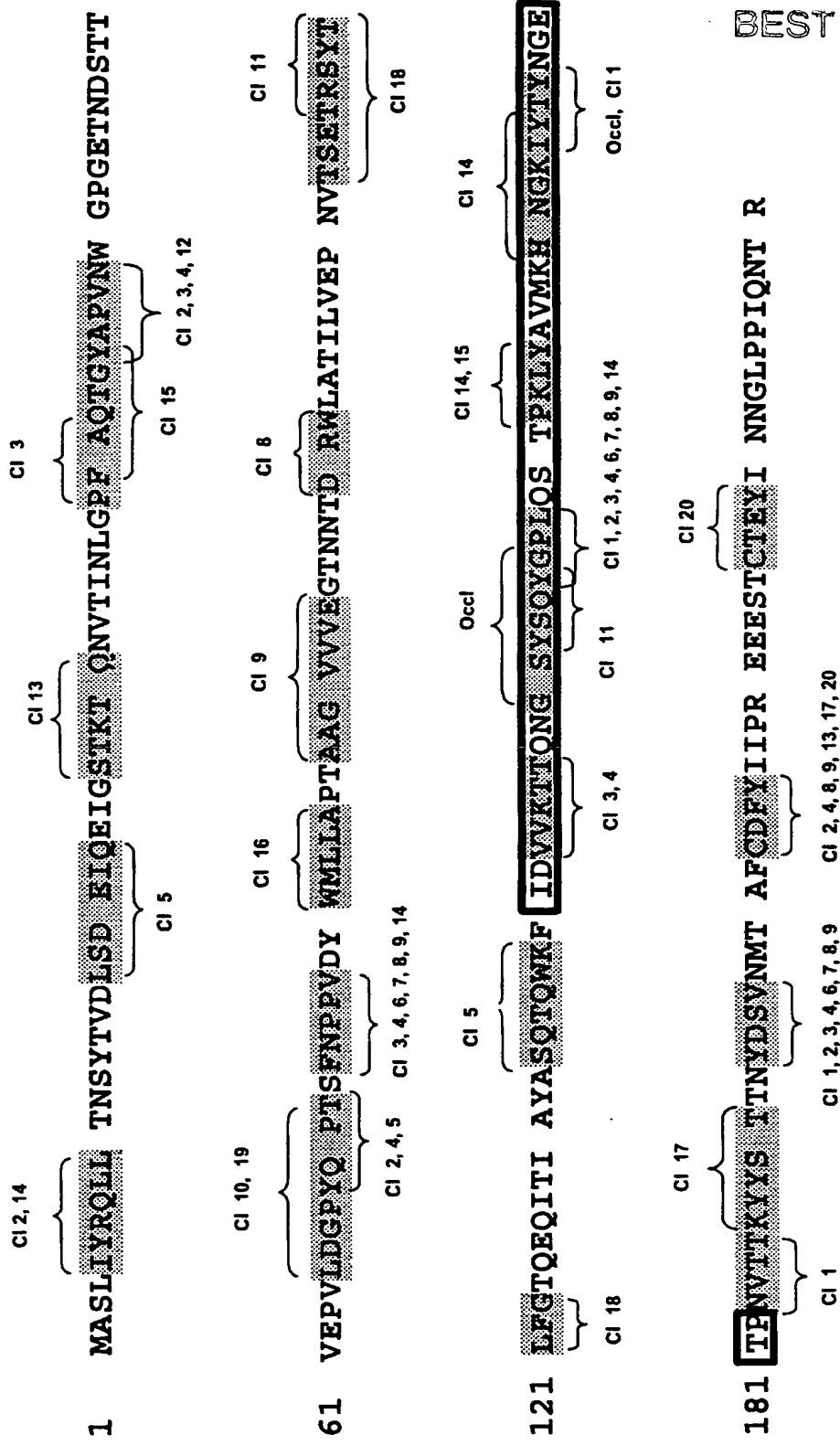
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**Fig. 6**

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Fig. 7A



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Fig. 7B

VP8 peptide:  $^{150}\text{GS}-\text{Y-SQYGP-L}_{159}$ 

OCCCLUDIN

$^{90}\text{DRGYGTGLMGGSIGCPYGC-SGFGS--YCTQYD--YGFQY-GYGYGGYTDP}_{114}$ $^{91}\text{DRGYGTGLFGGSLMYPY--SGFGS--YGGGVQGGY-GY-GYGYGGYTDP}_{113}$ $^{92}\text{DRAYGTGIFGGSMNIPYG-SGFGS--TGGGFGG-YGYGI-GYGYGGYTDP}_{115}$ $^{93}\text{DRGYGTSLIGGSVCPYGGSGFGS-YCSCYC--YGYGY-GYGYGGYTDP}_{115}$ $^{81}\text{DYGYG--LGGAYGTGLG-GFYGSNTYCSGLS--YSYGGY-YGGVNQRT}_{112}$ $^{82}\text{DYGYG--rat 75-EVYGS---GCLLGIG---GCLGS--YINGK--Y-GYNGYYGGLTINPR}_{112}$
--

First loop

VP8 Peptide:  $^{174}\text{I}_{175}\text{E}_{176}\text{I}_{177}$ 

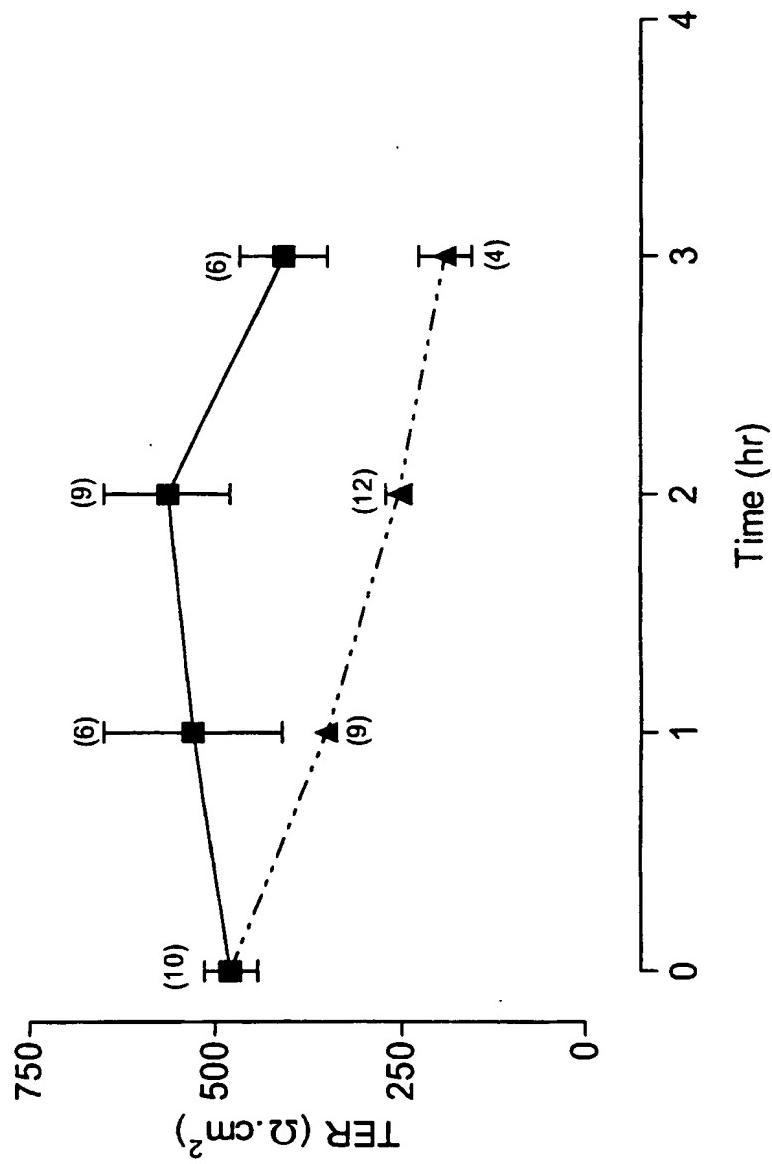
$^{198}\text{PTAQAA---SGSLYSSQIYAMCNQFYASTATGLYMDQYH-HICVVDPQE}_{212}$ $^{197}\text{PTAQAA---SGSMYGSQIYMICNQFYTPGGTGLYVVDQYIYHICVVDPQE}_{211}$ $^{199}\text{PTAQAA---SGSMYGSQIYTCISQFYTPGGTGLYVVDQYIYHICVVDPQE}_{211}$ $^{199}\text{PTAQQS---SGSLYGSQIYALCNQFYTPAATGLYVVDQYIYHICVVDPQE}_{213}$ $^{187}\text{PQAQM---SSGGYYSPLLAMCSQAY--GST--YLNQYIYHICTVDPQE}_{217}$ $^{198}\text{PRAGLGASSGSLLYNQMLCNQMMSPVAGG-IMNQYIYHICMVDPQE}_{215}$
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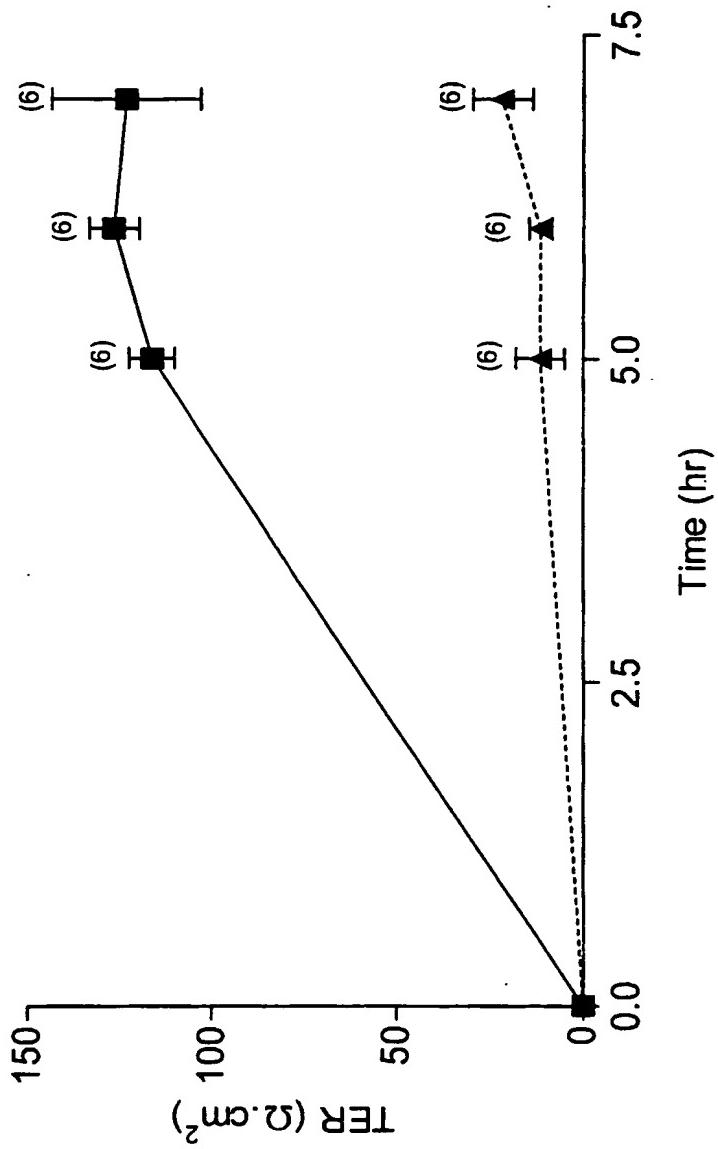
Second loop

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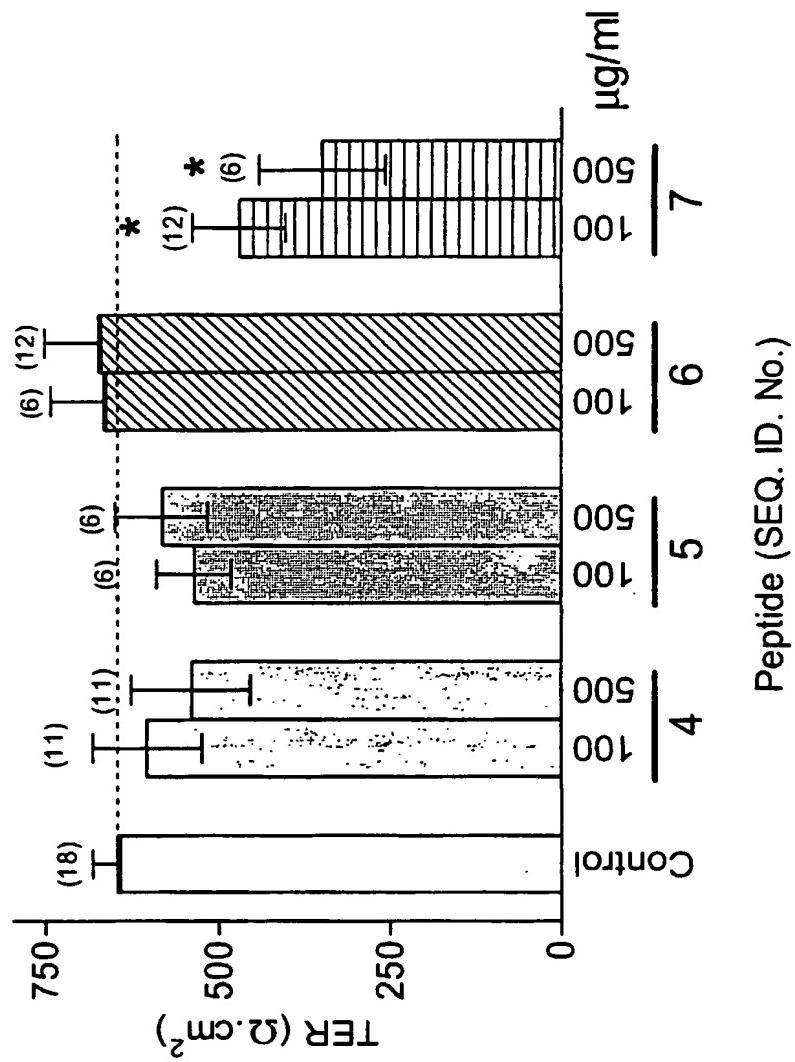
Fig. 7C

VP8	5	LYROLL	10	VP8	116	TRSYTL	121	VP8	202	CDEY	205
Cl-2	66	LYSTIL	71	Cl-11	33	TCSYTI	38	Cl-2	64	CDIY	67
Cl-14	66	LYRSLL	71	VP8	134	SOTOWK	140	Cl-2	145	RDEY	148
VP8	18	LSDEIO	23	Cl-5	33	AOTTWK	38	Cl-4	145	RDFY	148
Cl-5	64	LSAEVO	69	VP8	142	VVKTT	146	Cl-8	136	RDEY	139
VP8	27	STKTO	31	Cl-3	31	VVQST	35	Cl-9	145	QDIFY	148
Cl-13	154	EKKVQ	158	Cl-4	55	VVQST	59	Cl-13	63	CTLY	66
VP8	39	PFAQTGY	45	VP8	152	YSQY	155	Cl-17	64	CKFY	67
Cl-3	151	PEAQ	154	Cl-11	156	YSLY	159	Cl-20	54	CTWY	57
Cl-15	69	LALSGY	74	VP8	155	YGPL	158	VP8	216	CTEV	219
VP8	45	YAPVN	81	Cl-1	149	YDPM	154	Cl-20	54	CTWY	57
Cl-2	148	YSPL	151	Cl-2	148	YSPL	151				
Cl-3	146	YNPV	149	Cl-3	146	YNPV	149				
Cl-4	148	YNPM	151	Cl-4	148	YNPM	151				
Cl-12	165	FEPV	168	Cl-6	148	YNPL	151				
VP8	65	LDGPIQ	70	Cl-7	129	YNPL	132				
Cl-10	72	EDGYIQ	77	Cl-8	139	YNPL	142				
Cl-19	63	LDGHIQ	68	Cl-9	146	YNPL	151				
VP8	69	YOPT	72	Cl-14	148	YNPL	151				
Cl-2	148	YSPL	151	VP8	161	PKLY	164				
Cl-4	148	YNPM	151	Cl-14	150	PLLIP	153				
Cl-5	139	EDPT	143	Cl-15	160	PALY	163				
VP8	74	FNPBV	78	VP8	170	HNGKIV	175				
Cl-3	146	YNPVV	150	Cl-14	57	HSTGIV	62				
Cl-4	148	YNPMV	152	VP8	173	KIVTY	177				
Cl-6	148	YNPLV	152	Cl-1	31	KIYSY	35				
Cl-7	129	YNPLV	133	VP8	183	NVTT	186				
Cl-8	139	YNPLV	143	Cl-1	39	NIYT	44				
Cl-9	148	YNPLV	152	VP8	187	KYYST	191				
Cl-14	148	YNPLV	152	Cl-17	65	KFYSS	69				
VP8	81	WMLLA	85	VP8	194	IDSV	197				
Cl-16	29	WMVNA	33	Cl-1	65	YDSL	68				
VP8	88	AGVVVEG	94	Cl-2	67	YDSM	70				
Cl-9	43	AOVVWEG	49	Cl-3	67	YDSL	70				
VP8	113	TSETRSYTLEFG	123	Cl-4	67	YDSL	70				
Cl-18	167	TVQTR-YT-FG	175	Cl-6	67	YDSL	70				
				Cl-7	64	YDSI	67				
				Cl-8	73	YDSL	76				
				Cl-9	47	IDSV	50				

**11/16****Fig. 8**

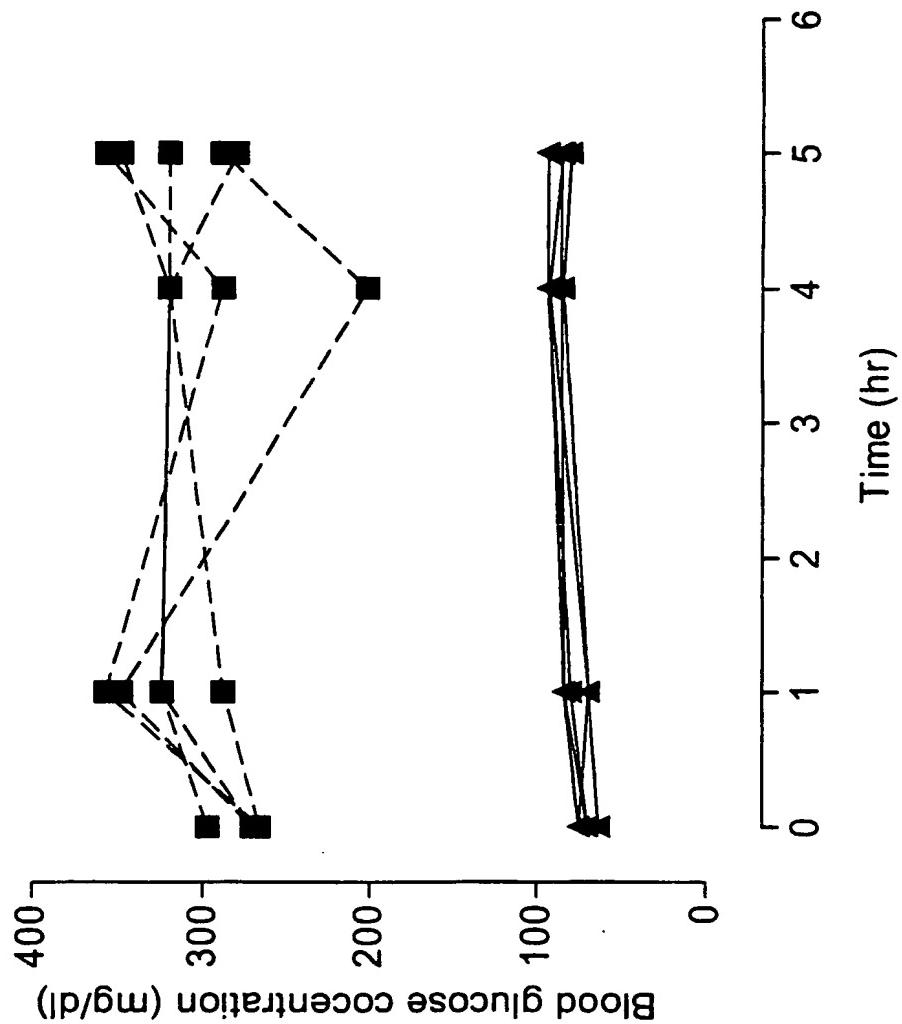
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**Fig. 10**

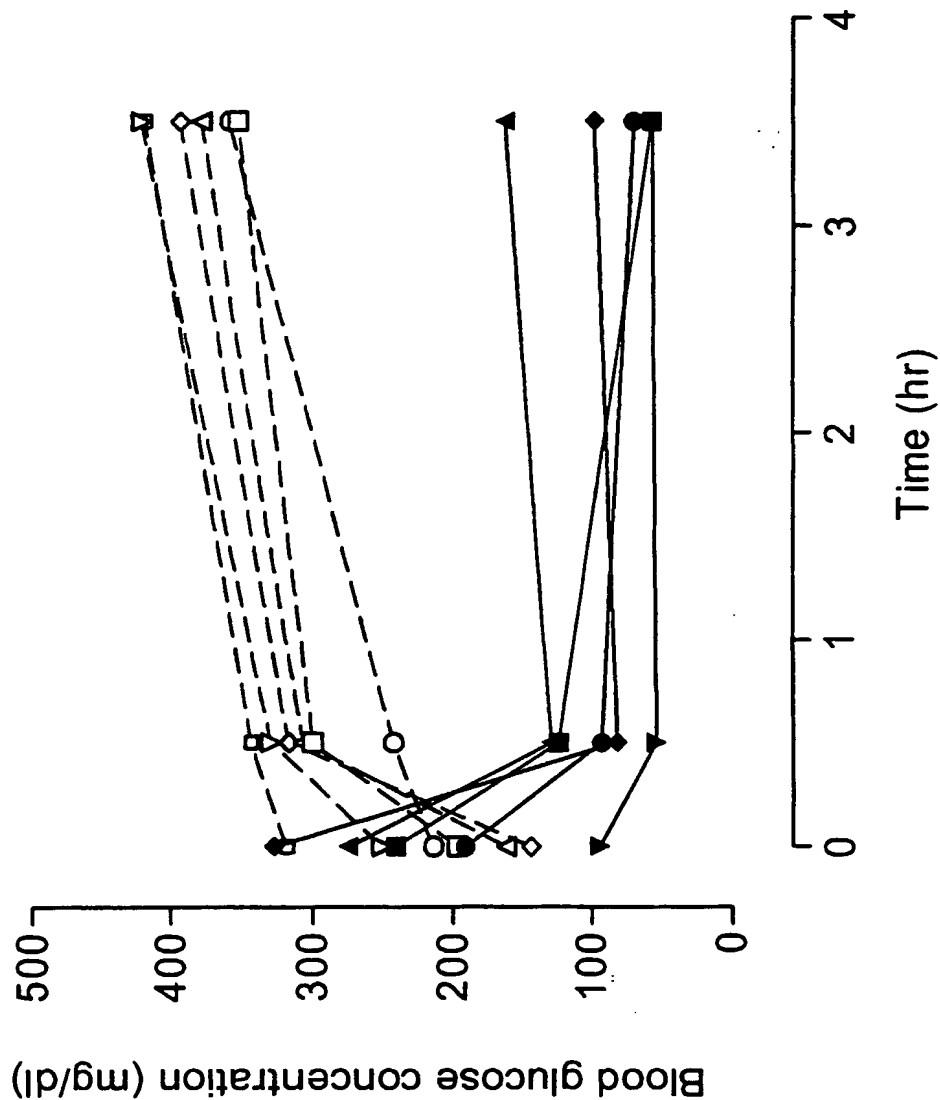
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Fig. 11



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**Fig. 12**



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**Fig. 13**

